

• C o u n t e r p o i s e •

The Amateur Radio Club of El Cajon

Volume XLX

February 2009

Number 2



Amateur Radio Club of El Cajon meets every 2nd Thursday at 7:00 pm at the First Lutheran Church of El Cajon. The address is 867 South Lincoln Ave. Next meeting: February 12, 2008 7:00 pm

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All Official written communication is to be submitted to:

A.R.C.E.C. P.O. Box 50, El Cajon, CA 92022

The Counterpoise is a publication of the Amateur Radio Club of El Cajon (ARCEC). It is published once monthly and contributions are accepted from officers and members of the club. We also encourage input from members of the Amateur Radio Club of El Cajon. Opinions expressed are solely that of the author and do not necessarily reflect the opinions of the Amateur Radio Club of El Cajon (ARCEC). Articles may be submitted either by e-mail or mail to the editor.

Paul Rios at:

WA6BGScounterpoise@cox.net or by post
1237 Victor Ave #4, El Cajon, CA 92021

The Deadline is Sunday after the General Meeting.

Amateur Radio Club of El Cajon

Web Site: <http://www.wa6bgs.org>

Counterpoise E-Mail address

WA6BGScounterpoise@cox.net



Monica Zech
Disaster Preparedness
Presentation

Next Meeting

Program: "HAM Radio on the Silver Screen"
Speaker: Paul Rios, KC6QLS

2009 Officers

President	KC6QLS	Paul Rios	593-9445
Vice-President	KO4QT	Steve Weed	733-2320
Secretary	N6OPH	Mike Maston	296-9067
Treasurer	W6GRK	Gary Kushe	562-5391

2009 Board of Directors

Affiliated Clubs	AE6AV	Larry Plummer	460-1818
Instructor	AE6QW	Gordon Shackelford	561-6323
Membership	KC6TBG	Ann Rios	593-9445
Net Manager	KG6TDP	Mike Oberbauer	444-9090
Public Service	N6NKJ	Rich Beisigl	444-5465
Social Chair	KI6JUD	Linda Weed	971-1535
Past President	KG6JCW	Mike "Stogle" Panger	263-4439

2009 Standing Committees

Bylaws	N6OPH	Mike Maston	296-9067
Club Attire	K6PKS	Paul Schmidt	733-2284
Counterpoise Editor	KC6QLS	Paul Rios	593-9445
Education	N6OPH	Mike Maston	296-9067
Elmer	WA6L	John Graf	368-7413
EOC H2O District	N6NKJ	Rich Beisigl	444-5465
Estate Sales	N6JOJ	Tom Myrick	449-3547
Field Day	KO4QT	Steve Weed	733-2320
Health & Welfare	AF6BC	Floyd Lang	697-8655
Historian	KI6QDB	Paul Weekley	
Photographer	KI6EEL	Bridget Rios	
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Prizes	AF6BC	Floyd Lang	697-8655
Public Relations	KC6QLS	Paul Rios	593-9445
SANDARC Delegate	K5WFW	Len Fulbright	258-1322
Swap Meet	N6JOJ	Tom Myrick	449-3547
Technical	W2IRI	Bob Boehme	448-4728
Ticket Lady	KI6EEK	Lisie Rios	
WA6BGS Trustee	AE6CQ	Michael Martak	562-6477
WAMO	AE6CQ	Michael Martak	562-6477
Web Master	KC6QLS	Paul Rios	593-9445
Welcome	KI6EEL	Bridget Rios	

Staff and Writers

KC6QLS	Paul	Editor
KO4QT	Steve	Vice President
N6OPH	Mike	Meeting Minutes
KI6FIH	Tassy	HAM Spot Light
AE6CQ	Michael	WAMO
W5COM	Tom & Lisie	Jokes
N6NKJ	Rich	Amateur Radio at Large
WA6L	John	Down Below in EC
WA6MHZ	Pat	Crest Radio Museum
KI6EEL	Bridget	Photos

SANTEE DRIVE-IN SWAP MEET

10990 Woodside Ave., North
FOR INFORMATION, CALL 449-SWAP
Ham Radio, Computers, Electronics
ACRES & ACRES OF BARGAINS
1st & 3rd Saturday of the Month
GATES OPEN 6:30 AM

From The President

Paul KC6QLS



First, I would like to thank Monica Zech for speaking at our meeting. When I got home, I checked all fire extinguishers and smoke alarms in the apartment and then checked all the fire extinguishers around the apartment complex. We talked about an escape plan and where we should all meet with our HT's in hand.

At this February meeting, we will be voting on two proposed Bylaws changes to the Bylaws. I encourage you to read the changes before the meeting. We will discuss the two proposed Bylaw changes, and if there are no changes to them, we will vote on them.

Ann, KC6TBG and I were going over the past year sign in sheets. We noticed that more and more members are coming to the meetings and staying for the reports. Attendance at club activities is also growing. For individual membership dues of \$18.00 a year, you get 12 presentations, donuts, Field Day, and to round it off a Club Picnic. You will also find many other events you can participate in and all you do is attend and work a radio or talk to some future Hams.

I was looking up some demographics on Amateur Radio License for the San Diego Section and noticed that Extra and General Classes are on the rise after a small decline in 2006 and 2007. The Technician is also on the rise after a big drop off from the start of 2007 right to June 2008. Keep in mind that our future as Amateur Radio counts on the growth of the entry level License Technician. The more new Technicians we have in Amateur Radio, the better it will be for all of us. Midwest Section demographics show a big growth in all classes. I believe it has something to do with the last few disasters in those areas.

73

Paul Rios, KC6QLS
President



Amateur Radio Club of El Cajon

General Membership Meeting
8 January 2008



The General Membership Meeting of the Amateur Radio Club of El Cajon was called to order at 1910 hrs by the club President Paul, KC6QLS. After the pledge, guests and visitors were welcomed to the club.

It was announced that Cliff Richardson K6CR has become a silent key.

During the Christmas party, the "Ham of the Year" plaque was not ready. Mike, N6OPH received his "Ham of the Year" plaque at this evening's meeting.

SECRETARY'S report as published in the Counterpoise was approved as published.

TREASURER Gary, W6GRK gave his report. It was approved as read and filed for audit.

WAMO: Mike, AE6CQ presented the WAMO awards.

This evening's speaker is Monica Zech of the El Cajon Fire Department who spoke on Disaster Preparedness. After the break, Paul awarded certificates to members who were not present during the Christmas party.

Paul, KC6QLS announced the committee assignments for 2009. See the Counterpoise for a complete listing of the committee chairs.

The budget and Bylaws changes were distributed to the membership assembled.

The first reading of the Bylaws change regarding the notification procedure for the annual meetings was offered to the membership. The first reading of the second Bylaw change regarding the requirement that all officers and members of the Board of Directors must have attained their 18th birthday. Questions were fielded from the membership on both Bylaws changes. These changes will be published in the next issue of the Counterpoise. The membership would then vote on these proposals at the February meeting. The budget proposals were divided into Plan A and Plan B. Both plans eliminate the printing requirements for the Counterpoise. The big ticket item between the plans would be the cost of the Field Day event. The major cost factor is the cost of food for the participants. It was suggested that donations be requested from the club members from January to June. The budget does not provide for the cost of the food during Field Day. Budget Plan B was approved by the membership (the vote was 31 to 0).

COUNTERPOISE is now on line only. The "Ask an Elmer" column is part of the Counterpoise.

PUBLIC RELATIONS: Paul, KC6QLS mentioned that the ARCEC received a lot of press coverage during the 2008 year.

VICE PRESIDENT Steve, KO4QT announced that while the camp had been reserved for the club in 2009, the managers have been replaced and everything is up for negotiation at the present time. Steve should have a resolution on this issue by this Friday or the beginning of next week. The logo contest is now in progress for the design of the 2009 Field Day T-Shirt. This contest would conclude in May. T-Shirts should be available in June. The Yuma Ham Fest is on 20-21 February in Yuma, Arizona at the fairgrounds. A group is meeting at the Los Coaches Wal Mart at 0400 hours to convoy to the Ham Fest. Paul, KC6QLS will do a presentation about Ham Radio on the Silver Screen for the February General Membership Meeting.

NET MANAGER Mike, KG6TDP stated that there are about 20 check ins for most of the nets.

SANDARC Report was given by Mike, N6OPH. SANDARC has responded to the proposed City Antenna Ordinance.

MEMBERSHIP stands at 130 total paid members. There were 55 members present with 8 visitors for a total of 63 present at this evening's meeting.

EDUCATION: Steve, AD6VI announced the technician and general upgrade classes around the county. The ARCEC will not host a technician class. The club will offer a general upgrade class in March.

PUBLIC SERVICE: Rich, N6NKJ announced that on 16 May Wild Fire Safety Training will be held.

Paul KC6QLS announced that the SANDARC Ham Radio Library Exhibit will at the Mission Valley Library in March.

There being no further business before the General Membership, the meeting was adjourned at 2150hrs.

Respectfully submitted,

Michael Paul Maston, N6OPH
Secretary
Amateur Radio Club of El Cajon

Addenda:

Proposed constitution and Bylaws changes:



Continued Page 15 & 16

Silent Key
Cliff Richardson, K6CR
WAMO # 100

From The Vice President KO4QT Steve



I want to start out by saying thank you to Monica Zech from the City of El Cajon for coming to our January meeting and talking to us about "Disaster Preparedness". Her program was very informative! As you may remember, Monica mentioned that the "CERT" (Community Emergency Response Team) program has upcoming classes. Well, we now have dates for the classes and the first CERT Academy of 2009 starts next Saturday, February 7th. For information about the CERT Academies, visit our Club website Calendar at: www.wa6bgs.org When you click on the link for "CERT Academy" on February 7th, you'll find a link to the El Cajon Fire Department. On their website, you'll find all of the information you'll need to register and attend the Academy (you must be registered to attend the CERT Academy. NO WALK-IN'S ALLOWED).

Speaking of the Calendar, on the Club website, it's now complete for the year except for the programs for our August thru October meetings. Included on the Calendar are our Club's NETs, Events/Activities, Swap Meet and Meetings. I tried to make it easy to recognize Events/Activities by highlighting the Calendar information in "yellow" so they jump out at you when you open the Calendar.

To view the Calendar on our Club website: www.wa6bgs.org, go to the left side of the page and click the "Calendar" button. When the Calendar page comes up, click the link at the top of the page that says "Please Click Here to View Calendar". The next page that comes up will be the current month. Across the top of the Calendar, you'll see abbreviation's for the months: Jan. through Dec. Just click on the month you want to view and the Calendar for that month will come up.

Next Sunday, February 8th, thanks to the organizing efforts of John Graf, WA6L, the Amateur Radio Club of El Cajon is going to provide communications for the San Dieguito Half Marathon in Rancho Santa Fe. This will be the first year that HAM Radio will be used as primary communications for the run and, as usual, we expect to leave a positive impression. If you haven't volunteered your services for this event yet, it's not too late. Contact John, WA6L at: wa6l@arrl.net



Continued on Page 11

WA6BGS Nets

Mike Oberbauer:	KG6TDP	Net Manger
Mike Oberbauer:	KG6TDP	Net Controller
Frito	N6WKB	Wide Open Nets
Axel	KI6RRN	Donut Net

WAMO NETS:

Wednesday and Saturday Nights
8:00 pm local time 7:30 "Checkins"

Tuesday Night Rag Chew net:
8:00 pm

Nets held on club repeaters

WA6BGS Repeaters

RX 147.420 (146.475) 107.2 PL

RX 224.080 – 107.2 PL

RX 445.900 – 107.2 PL

Don't miss it. All members welcome.

New Donut Net

Time: 7:00 p.m.
Day: Monday Night
Mode: FM
Frequency: Club Repeater System

This is an open net and all are invited. Early check-ins will be taken. Bring your Donuts. GOT MILK?

WAMO means Worked All Members Only. The purpose of WAMO is to encourage people to people communication between club members and to publicize the name of the club among fellow amateurs.

Calendar of Events February 2009

Feb.	3:	Board Meeting, 7:00 pm
Feb.	7:	Swap Meet, Santee Drive In, 6:30 am
Feb.	7:	T-Hunt, Grossmont College lot, 6:00 pm
Feb.	7:	East County CERT Academy "Starts"
Feb.	8:	San Dieguito Half Marathon
Feb.	12:	General Meeting, 7:00 pm
Feb.	18:	Counterpoise Dead Line
Feb.	20:	Yuma Ham Fest "20th and 21st"
Feb.	21:	T-Hunt, Grossmont College lot, 6:00 pm

Upcoming Event Dates

Mar.	10:	Class for General License Starts
Apr.	9:	Annual Field Day T-Shirt Logo Contest
May	9:	Pacific Crest Trail 50 Miler
May	16:	Wildland Fire Safety Training

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San Diego, CA 92123
(858) 560-4900 or 1-800-854-6046

The Counterpoise is also online in FULL COLOR. Check it out and the club's website at: www.wa6bgs.org

Get your advanced copy by e-mail. I will send it out in .PDF format the night it goes to print. E-mail me and let me know that you would like a copy. Size of file may be up to 1.5 mb at times.

Change of Address

Moving?

Do not miss an issue of the Counterpoise. Fill out the Change of address form below.

Call _____ WAMO# _____

Name _____

Address _____

City _____ State _____ Zip _____

New Address:

Address _____

City _____ State _____ Zip _____

Send to Membership Chairperson:

A.R.C.E.C./ P.O. Box 50, El Cajon, CA 92022

ARCEC Membership Application

Please print clearly, complete all info and return to Membership Chair with your payment:

() Individual Membership \$18.00

() Family Membership \$30.00

Name: _____

Class of License: _____

Other Family Members and Calls: _____

Address: _____

Call: _____ WAMO #: _____

Birthday: _____ Phone _____

Email address: _____

Check One: () New Member () Renewal

() Returning Member

*If you are a returning member, you will keep your original WAMO #. _____

Check One: I want to receive the Counterpoise Newsletter by: () Mail () Email () Website

Check One: I give my permission to publish my info on the Club Roster () Yes () No

If no, state exactly what information you do not want published: _____

Check One: ARRL Member () Yes () No

ARES Member () Yes () No

RACES Member () Yes () No

Would you like to be in the Counterpoise Spotlight? () Yes () No

Would you like to be a member of The East County Response Team? () Yes () No

Mail with payment to:

Membership Chair, ARCEC, P.O. Box 50
El Cajon, CA 92022

Computer Roster Available

Want the roster sent to you via e-mail? Send an e-mail to Ann Rios KC6TBG, and she will send you the database back as an attachment. She uses Excel, but may be able to convert to various formats if asked. Send your request to 619-593-9445 or KC6TBG@cox.net

FUN PAGE

Birthday

February	1	KI6FIH	Tassy	Rios
February	2	WB6NMR	Angelo	Boccia
February	4	K5WFW	Len	Fulbright
February	5	KD6HWJ	Shirley	Green
February	7	WD6FDD	Richard	Wilkerson
February	14	KG6HBX	Peter	Block
February	15	W5COM	Tom	Bryan
February	17	K6GTP	George	Roulland
February	18	KI6EEK	Lisie	Rios
February	19	W6CCM	Erich	Bennett
February	19	KB6CKM	Harold	Campbell
February	19	KE6SLO	Jerry	Rauch
February	21	KD6PRV	Anselmo	Ruiz



AMATEUR RADIO

QLS

Word Search

H O L L Y W O O D U B W G Z O K V R
 T H Q U X B Q H A T R E B L I D U E
 D A T H Z V S I M P S O N S H W K V
 A V W T H E K N A C K T Q B S I S I E
 G B M C H A L E S N A V Y Z G B O E
 W U H O W H J T H W G C W H O K H C
 O A H N X U M S W J N U H V J A P S
 O T Z T X Q J O X E W Y Z W U X U N
 D W S A Y K W B U T N H P T K G S A
 H N G C B A U Q J N X E A Y H Q X R
 X A H T V X E W A O T P E P O F U T
 O G J Q K R P O V H G A H R W R H W
 Q I Z W F W A K L P J Y I K C A Z H
 V L P H E N O M E N O N J N T S Q Q
 W L G K O G T Z N J A O K S D I B L
 K I J E R I C H O K X M O V I E S S
 H G K Q B U Z W X V K U Z T B R W V

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> CONTACT | <input type="checkbox"/> MASH |
| <input type="checkbox"/> DAGWOOD | <input type="checkbox"/> MCHALENAVY |
| <input type="checkbox"/> DILBERT | <input type="checkbox"/> MOUNTAINDEW |
| <input type="checkbox"/> HIGHFREQUENCY | <input type="checkbox"/> MOVIES |
| <input type="checkbox"/> FRASIER | <input type="checkbox"/> PHENOMENON |
| <input type="checkbox"/> GILLIGAN | <input type="checkbox"/> SIMPSONS |
| <input type="checkbox"/> HOLLYWOOD | <input type="checkbox"/> THEKNACK |
| <input type="checkbox"/> ISIS | <input type="checkbox"/> SCREEN |
| <input type="checkbox"/> JAYLENO | <input type="checkbox"/> TRANSCIEVER |
| <input type="checkbox"/> JERICHO | <input type="checkbox"/> TV |

Brain Thinkers

- 4= S. in a Y. 4 Seasons in a Year.
- 16= Q. in a P. 16 Ounces in a Pound
- 25= P. in a Q. 25 Pennies in a Quarter
- This Months -----
- 4= S. in a S.
- 6= W. of H. VIII
- 28 = D. in F.

Last Months Word Search

W U S N O I T A G I N U M M O G
 H Q E K U L F M K M E L U M E O
 A C A S H M I E Q U Q I D R Q N
 N M R M L Z A Y S L O O T E Z N
 D L C I G E G U K C L F L T Y U
 Y O H K N S E W M H U S Z S K N
 T G D L I N M I E W S E G A Q I
 A I E Z N O W I F E M Z N S H T
 K T Y I A S L D S L W S G D M L
 I I Z Y R E L H Q U D F A D M L
 E C L E T R E A T M E N T I A H
 Z S W F A K D L S T I C S Y T U
 M Q E P M D F H W F D M Y E M Q
 L B E R U J N I Z Y O Q K W S F
 O R G A N I Z A T I O N D Q L S
 P K Q U I L Q U L K F E I F Z W

ASK AN ELMER

The question for this month is, "I'm a Technician Class Ham, why should I upgrade?"

So you have been a Technician Class Ham for a few years now and you wonder why you should upgrade to General Class. You have been working on 2 meter FM and some 6 meter FM and SSB. You also got some HF experience at Field Day. Your friends have been telling you how great HF is and all the far reaching contacts and QSL Cards they have hanging on the wall. They can point to a card and without reading it, they can tell you what rig, band, time, how much power and if they even had hot coffee in the shack. Yet, they can't remember what happen yesterday morning. You say to yourself, is this what more privileges bring?

Well, you will have to find the time to study and take a thirty-five question test. It seems to be more work than it's worth. You will think that for about two seconds until you make that first HF contact all by yourself on your own rig! When I was a Technician with Code my first HF contact was on 10 meters SSB to Australia on 10 watts from La Mesa! I received a QSL card in the mail about a week later, and I can still recall the contact like yesterday. I was on cloud nine for weeks. Then I looked into passing the General Class Test. As soon as I passed it, I was on the air! YES, all the studying was worth it. Now, you have HF in the car, QTH and even at your folks QTH too.

Once you upgrade, the door to Amateur Radio really opens. The world is now just a dial away, tune and push to talk button. You will be able to talk to all kinds of people. Oh, the stories you hear and participate in! Once I chatted with some Hams in Arizona and New Mexico on 40 meters about a SNAKE FENCE. Yes, it was a real QSO!

More reasons to upgrade: when the bands open, you have a valid excuse to excuse yourself to go to the Ham Shack and avoid the honey do list. You will always have a story to tell when you meet your friends for lunch. You can blow the

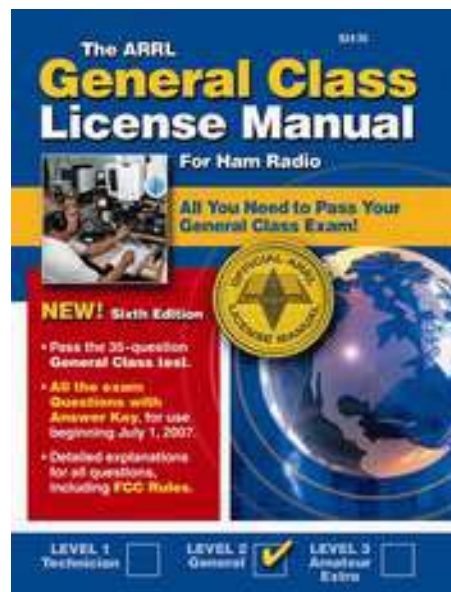
dust off that HF rig you got last year on eBay and had sitting on your work bench collecting dust. You're half way to the Extra Class and more HF privileges. Your friends will be proud of your accomplishments. You have many bands you can move to if you find someone going on and on about their health and their doctor appointment last week. Lastly, and best of all, it will not look good on your resume that you stayed a Technician for the past 60 years.

To wrap it all up, when you move up in the License Class, you will find it a lot of fun to make contacts on different bands, collect QSL Cards and participate in Contests on HF. Working that far away station on some remote Island that only gets on the air when some guys have a DX expedition, or someone is talking about a snake fence, is a challenge. It's all about having fun! Next month's question "Why should I join a Club?"

73

Elmer A. Ham

Please submit your thoughts to WA6BGScounterpoise@cox.net and the Elmers will answer with your feedback. Also, please send in any question that you might have.



**The Editor's
Corner
KC6QLS Paul**



Editor's Corner

Now that the Counterpoise has gone 100% online and members are willing to help print and deliver it to the members that are not online, we will try to keep it ink-friendly. Save the color ink and print it in black and white on ink saver mode. Check you printer's settings and set them per the instructions. If you use a laser printer, I know of a place for refills and they fill them full!

I would like to say thanks to all the members that will be helping with the task at hand. It is very important that non-online members get a copy of the Counterpoise so they will stay informed on what the club is doing and what event they would like to attend.

73 Paul Rios, KC6QLS
Editor

Public Relations

How do we get more Amateur Radio Operators to join our club? This seems to be the question for many clubs, Amateur Radio related or not. First, we need to get the word out even more. There are a lot of Amateur Radio operators in San Diego County and most are not members of any Amateur Radio Club, why is that?

After talking to many Amateur Radio Operators I have run into in my travels here in San Diego, I believe that here in Sunny San Diego we are on the go 24/7 and do not have or make the time for the "hobby" of Amateur Radio. We took the time to study for the test and made time to take the test, but put it on the back burner for the time being. Or perhaps we went out and bought that new HT and tried to program it, but couldn't and just gave up. If this describes you, I would invite you to our meetings and offer to help you program your unit. Perhaps you attended a meeting, but have not joined. I would invite you to check out our website calendar for meeting presentations of interest to you and invite you to attend those meetings.

Let's all become "Public Relations" for our club and Amateur Radio in general. Let's start by inviting a new Ham or someone you know that is thinking about getting



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Volunteers Needed

Up Coming Events
Speakers and Program Ideas

E-Mail

Address for the Counterpoise. Please submit all *Counterpoise* Mail to:
WA6BGScounterpoise@cox.net

Prize Table Needs Help

Thank you for your contributions to the Prize Table! We still need your Support and Help or it may just end up a thing of the past. Please contact: Floyd Lang AF6BC at 303-6711.

Things to keep in mind

*Get on the El Cajon ARC Reflector
To sign up visit:*

<http://groups.yahoo.com/group/elcajonarc/>

You will get the latest news about The Club and things going on in the Ham world.

Quote of the Month

"Love is composed of a single soul inhabiting two bodies."

- Aristotle

JOKE

What do you call a song sung in a automobile?

A Cartoon.

Lisie KI6EEK

Crest Radio Museum

Pat Bunsold, WA6MHZ



A newer radio in the Museum

This month's radio is a relative new one, almost 40 years later than last month's Philco 89 Cathedral radio. That radio, by the way, was brought to the January club meeting where members and guests were ASTONISHED that a 74 year old radio could work as well as one right off the shelf! All the restoration was completed and it looks/works great!

Anyway, this month's radio is a KLM Multi-2000A 2 meter multimode rig from the early 70s. A club member was so generous and gracious to donate this to the museum, and I was anxious to get to work on it. Normally, a 2 meter rig isn't that exciting, but this was a classic example of early SSB design using digital FM technology. NO VFO, you tune this rig with rotary switches! So it would be difficult to sweep up and down the band looking for contacts, but if you knew where you wanted to operate, it is easy to set. A VXO (Variable crystal oscillator allows for tuning around the 1 Khz channels for SSB.

This is a large, heavy radio, and is made by FDK, a Japanese radio company, and then re-labeled for KLM Electronics. KLM was a US importing company formed by Mike Staal K6MYC (who currently runs M2 antennas), Ken K6HCP, and Lee Farrer (Call?). So KLM stood for Ken, Lee and Mike. They also imported antennas and designed their own, such as the famous KT-34 which I have (and yet to get up!) KLM eventually went belly up but the antennas went with Mike in forming M2, a very successful manufacturer. I have M2 antennas up for 144, 222, 432 and HF(someday). Great, great antennas. Later, they imported the FDK Multi-2700, which DID have a VFO for SSB and the rotary channels for FM. My 2700 needs a lot of parts and work before it is museum ready. (anyone have a junker Multi-2700?) Maybe I can make one good radio out of 2.

So, I put the nice KLM Multi-2000A on the workbench to see how it played. To my delight, the RF sections worked great, and all I needed was a power plug which was scrounged at the Junk store. But all the Lamps were out, for the synth dial windows and the meter lights. They wanted \$3 each at the Junk store for the lamps (Pricey!) and they will burn out eventually too. I bought the last 2 they had, but I still needed 3 for the Synth windows!

It was decided that since this isn't really that OLD a radio, I could be excused for doing a MOD on it. I rifled the company stockroom for 3 big orange LEDs and 3 1K 1W resistors. The LEDs fit perfectly in the lamp holes and, with some wiring, worked great. They actually worked better than the original lamps, with a nice bright display through the numbers wheel. LEDs are super replacements for incandescent lamps, but there are some things you need to know.

First, you WILL need a series resistor for EACH LED you use. A 1K is fine for 12V circuits. 470 ohms is correct for 5V. Current drain is very low, compared to the Lamps. They drew 80mA each. The LEDs draw about 13mA each. But Lamps have a light pattern that is like a 180 half ball from the base. Light radiates in all those directions. LEDs, though, tend to project their light in a small field from the front of the LED. That can be a big problem in replacement, as happened with Paul's Kenwood TS-2000X. While the light was beautiful, it created several bright spots in the dial rather than a soft uniform diffused lighting like an incandescent bulb would. Newer LEDs are available with a similar light pattern, but are pricey and hard to find. Most focus their light forward. That is why LEDs are a bad idea for backlighting a LCD display. Sometimes OLD technology just works better. So I used the old style lamps for the meters, which needed diffused illumination, and the LEDs for the Synth windows, which worked better with a focused light. Wiring needs to be careful so the 12V doesn't short out. If you have an old radio with burnt out lamps, contact me, and I will get you fixed up with a LED conversion.

The KLM Multi-2000A was checked out on all modes, and sensitivity/power output seemed to be fine. This radio was designed before PLs became popular, and it won't do odd splits (+/- 600 only), though you could buy crystals to do the funny channels. The crystals would cost more than the radio is worth! So this radio is good for 2M FM Simplex and limited SSB use. Would be great to run into a transverter or use for Packet. But it is very large and heavy. About the size of a big DVD player and as heavy as a regular HF radio. There is a lot going inside, and this was a very, very expensive radio back in the 70s!

As 2009 is upon us, I am always looking for more radios to write about. If you would like to see an article about your old rig, give me a call.

OH, back on the Cathedral. That sanding job was the most work I have done in YEARS!!! It took almost a week to get all the original varnish off and then repaint it with Miniwax. But it turned out great! Good thing Management wasn't here to see all the DUST I created!!



Continued Page 12

Chicken Noodle Soup for the Ham Radio Operator's Soul

"Crest Radio Museum Curator Named Sexiest Man Alive"

Turmoil and change have shaken the ranks of our hobby in recent years. Controversy over incentive licensing, the role of the code, and concern over the dwindling ranks of our hobby have caused angst and sown the seeds of division among hams, young and old. Now, with the spring of renewal in Cycle 24 upon us, it is time for a healing catharsis for our hobby, with "Chicken Noodle Soup for the Ham Radio Operator's Soul".

A surprise development has created a buzz at League Headquarters in Newington and within the national community of Ham Radio with the announcement that a San Diego area Ham collector of antique radios has been nominated by youth-oriented "People" magazine, as the winner of the coveted title "Sexiest Man Alive". In the eyes of the leadership of the national organization representing Amateur Radio, the ARRL, the announcement that Pat "The Curator" Bunswold WA6MHZ, owner of the Crest Radio Museum, signals the start of a new era of popularity for the once-obscure hobby known as Ham Radio.

"People" magazine, or "People Weekly" as the magazine is formally known in publishing circles, has embarked on an effort to re-think it's long held approach to the "Sexiest Man Alive" award. In selecting past nominees "People" has selected young, twenty-something actors with ruddy, chiseled good looks, expensive cars and tailored suits. With the selection of Bunswold the magazine instead chose to follow the growing wave of popularity in engineering-related careers and study of mathematics among the nation's youth. "The disheveled look is now 'derigueur' among the nevo-intelligent," comments "People" publisher I. Ron Skillet, who oversaw the selection process for the 2009 "Sexiest Man" award. "Oscilloscopes are the new Harleys, and everything 50's is now the rage." At the presentation ceremonies held at Warner Brothers Studios in Burbank, the change in focus among the youth-oriented media culture was visible in the appearance of arriving celebrities. Gone were sleek, stretch limousines and flashy imported sedans. In their place, aging Chrysler K-cars and Ford mini vans, stuffed with redundant electronics and outfitted with exotic, "monster" HF antennas and bearing Ham Radio call sign license plates displaying WA6 and WB6 prefixes from a long-ago Ham Radio era.

Announcing the winner of the "Sexiest Man Alive" award was done with the sort of flare and panache straight out of "Publishers Clearinghouse". Late one afternoon, a non-descript white panel van quietly rolls up to the Crest Radio Museum, carrying the membership of the "Jacumba Militia Chapter" of the Ham Radio organization *Quarter Century Wireless Association*. Among the passengers, an unsuspecting Bunswold, Curator and Chairman of the Board of the Crest Radio Museum, and yet-to-be announced winner of People's "Sexiest Man Alive" contest. Coincidentally, at the exact moment of the arrival of the QCWA members, another group is arriving – a very different group, the "Award Announcement Media Team" from "People" magazine. The encounter is described by one of the QCWA members.

Decked out in Gucci loafers, bad haircuts, and eyeglasses straight out of a French second-hand store, the group is lead by "People" Publisher I. Ron Skillet. Approaching the QCWA entourage Skillet asks, "Excuse me, excuse me, are one of you gentlemen Mr. Wagmahezee?" For a long, silent moment no one speaks. The Hams, resplendent in gray hair, bifocals, pocket protectors, and belt-mounted HTs, size up the group from "People" with cautious, weary, skepticism. The magazine crowd, in turn, is stopped dead in their tracks by the "other-worldly" appearance of the panel van, with its bizarre assortment of vertical antennas, arrayed like quills on a metallic porcupine. Then they look over its passengers, each carrying belt-mounted, two-way "walkie-talkie" radio with telephone-style touch-tone pads and whipsawing, long antennas, which resembles some sort of insect "stinger". Each Ham is wearing a white plastic pocket protector, jammed with miniature screwdrivers and pens, and a baseball ball cap with strange numbers and letters.

At first, no one speaks. Then, one of the QCWA group broke the silence. "Wagmahezee? No one here by *that* name." Skillet responds "But this *is* the address of the museum, and right here, it says *Wagmahezee*, Mr. *Wagmahezee*." One of the QCWA members steps forward and says, "Let me see that... oh, you mean Pat! W-A-6-M-H-Z. He's right here!" The crowd parts like a miniature Red Sea and Pat looks at the group with the bad haircuts. Skillet asks, "Pat, are you the curator of the Crest Radio Museum?" Pat nods yes and Skillet holds up a sheaf of paper and proclaims to the small, assembled group "Pat Bunswold WA6MHZ,



Continued Page 11

Chicken Noodle Soup Continued

Curator of the Crest Radio Museum, People Magazine declares you the Sexiest Man Alive!" The announcement caused the magazine group to erupt in cheers and the Hams to burst into laughter.

After an overdue explanation from the People Magazine representative, the Hams and the magazine crowd seemed to better appreciate the levity of the moment, and the journalists were invited into the museum for a tour. Later, they emerged with souvenirs of their visit – green plastic knobs, butterfly capacitors, circuit boards, and beat-up green ball caps emblazoned with "Heathkit".

Reaction to all the publicity has been a craze among young teens that have taken a liking to antique Ham radios, but lack the upper body strength to lift the vintage 1950's transmitters and receivers. The 'latest thing' has become "Tube Parties" – spontaneous gatherings of youthful Amateur Radio devotees who get together for all-night sessions on the bands their earlier Ham-counterparts once wrote off as victims of the sunspot cycle. The rage has extended to youthful fashion, with young Hams accessorizing, carrying Amateur Radio "bling" – roller capacitors, tubes, or circuit boards to Ham gatherings. There, the young Hams engage in a sort of show-and-tell, memorizing the function of each "accessory" component or circuit board, and each carries a digital photo of the military surplus equipment the component came from on their cell phone.

As a result of the growing popularity of mathematics and engineering-related subjects, the "twenty-something" generation has taken to Ham Radio with an enthusiasm few in the hobby could have ever imagined. The once obscure hobby, long considered the realm of geeks and science aficionados, has become the latest in a wave of popularity for things engineering-related, sweeping the nation. At universities across the country, even liberal arts universities are changing their approach in an attempt to attract engineering-obsessed youth. "Computational English Literature" and "Humanities Dynamics" are the latest academics offerings re-packaged to attract the engineering-obsessed.

Reached later for comment on the Sexiest Man Alive award, Bunswold took news of the announcement with characteristic modesty and good Ham Radio humor. "Just like an old capacitor which has

forgotten the voltage it was designed for, I'd completely lost touch with my 'inner Elmer'. But with this award, I've re-awakened my original love of engineering and love for this hobby." Meanwhile, outside the Bunswold house, hoards of young Hams-to-be jockeyed for a better look at the Crest Radio Museum, which doubles as the Bunswold residence.

Editor's note: In case you hadn't noticed, one does not have to be youthful, good-looking or sexy to enjoy Amateur Radio.

Morris AZ6CW

From The Vice-President Continued

Also, coming up in just a couple weeks is the Yuma Ham Fest and Emergency Preparedness Show (in Yuma, AZ, of course). I've posted quite a bit of information about the Ham Fest (including a link to their website) on the Calendar (February 20th and 21st). I'll be there. Will I see you there too?

Our next Club Meeting will be February 12th. The program is titled "HAM Radio on the Silver Screen" and will be presented by our Club President Paul Rios, KC6QLS. Paul has spent countless hours of research to put together a presentation that is an in depth display of Amateur Radio as shown in Movies, TV shows, Cartoons, and Commercials and is full of "I didn't know that was in there!" clips. You gotta see this one! For a sneak peek, take a look at: www.arprsd.org

73, See you at the meeting,
Steve, KO4QT



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Amateur Radio At Large

From Rich N6NKJ



Hello again,

A big thank you to all of you who stayed to the end of our last club meeting to hear the good, bad and ugly regarding our club's finances; and for passing a budget for 2009. Those of us on the Board will be very frugal regarding the funds we have available.

As all of you heard at the meeting, we have lost another long time member and one of the founders of this club, Cliff Richardson K6CR. When I upgraded to extra, Cliff was one of those who signed my C.S.C.E.'s; the other two were K6BX, John Roessler, and K6CQ, Richard (Dick) Leffler, another founding member of our club. After I signed my C.S.C.E.'s, all of them told me that I was not an extra class. When I asked them why, I was told that since I had not passed the code test, I was an extra light. At the time, I was an advanced class license holder, and when the FCC decided to eliminate this license, all I had to do to get my extra class was to pass the written test. So that is why I was considered to be an "extra light."

For anyone who may be thinking of joining the V.I.P. Red Flag Patrol, your first step is taking the Wild Land Fire Safety Training course that will be held on May 16, 2009, but the time and location have not yet been set. So check the club's web site or contact me at rbeisigl@csst.net Also, you heard Paul, KC6QLS, and Monica Zech talk about the El Cajon EOC and how we will need your help in case the City of El Cajon calls on us to man the EOC. As I have said time after time, we need more volunteers. When I was the District Emergency Coordinator for Amateur Radio Emergency Services, I worked full time, and my wife and I had two sons (yes, we still have two sons) yet I found the time to balance my family time with my duties as the D.E.C. for the Eastern District of San Diego County. So I hope, no I plead with you, to help us in our efforts to serve our city and county.

Congratulations to Tom, W5COM, on upgrading to extra, and a belated well done to Carl, AF6MX and all the others in our club who have upgraded to a higher license.

REACT will once again be providing communications for the Lakeside Western Days Parade in April. For more info, you can contact REACT at info@southwesterreact.org

They have helped us out on our Red Flag Patrols, so let's give them some help as well.

That is all I can think of to write about for now. And please never forget our men and women of the United States Armed Forces (many of whom are Amateur Radio Operators) who, at this moment, are in harms way defending our rights to live as we do. THANK YOU.

Until next time, 73's and 88's

Rich, N6NKJ

Photo from CREST Museum

They would have had a fit! I would vacuum up the dust every so often, but had to wear a dust mask the whole time. PHEW!!!! Now I am sanding on a GE Table radio. I bought an electric sander but it took off too much wood. I only want to remove the Varnish. So hand sanding is the only way! Well, back to sanding. 73!

—
Pat Bunsold WA6MHZ
Curator
Crest Radio Museum



Membership Report

Ann KC6TBG



Membership Dues for 2009 are due now. If you have not already renewed your membership for 2009, please do so as soon as possible.

The 2009 ARCEC Roster will be available at the February 2009 meeting. If you do not wish to be published on the 2009 ARCEC Roster, please email me at kc6tbg@cox.net regarding what information you do not want published.

The 2009 ARCEC Roster is for club use only. However, please do not use this club roster to contact club members at the telephone numbers and addresses listed on the roster for the purpose of working a WAMO. The Rules for working WAMO are listed on the website and must be followed in order to receive WAMO Certificates. Also, copies of the WAMO Rules are available at club meetings.

73, Ann, KC6TBG

Individual Dues Membership:

\$18.00 per year(\$1.50 per month):

January	\$ 18.00	July	\$ 9.00
February	\$ 16.50	August	\$ 7.50
March	\$ 15.00	September	\$ 6.00
April	\$ 13.50	October	\$ 4.50
May	\$ 12.00	November	\$ 3.00
June	\$ 10.50	December	\$ 1.50 *

*plus \$18.00 for the following year

Family Dues Membership:

\$30.00 per year (\$2.50 per month):

January	\$ 30.00	July	\$ 15.00
February	\$ 27.50	August	\$ 12.50
March	\$ 25.00	September	\$10.00
April	\$ 22.50	October	\$ 7.50
May	\$ 20.00	November	\$ 5.00
June	\$ 17.50	December	\$ 2.50 *

*plus \$30.00 for the following year

Ann, KC6TBG
Membership Chair

their license. Take a look at the calendar on the website, find an interesting meeting, and let them know about it.

I just found out after 10 years that my TAX guy was an Amateur Radio Operator 40 years ago. He saw my truck and we started to talk about Amateur Radio, and he is thinking about getting back into it again. All you have to do is get out there and talk up Amateur Radio and the rest falls into place.

73 Paul Rios, KC6QLS
Public Relations

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Proposed Bylaw Change 2009 Article X

ARTICLE X

NOMINATIONS AND ELECTIONS

- (a) The Nomination Committee shall consist of the chairperson of the Nomination Committee of the previous year, and four (4) members to be elected from The Club membership.
- (b) Selection of candidates for the nomination committee: Prior to the October meeting, the Executive Committee shall select from the membership of the club a list of eight (8) names of full members who are qualified for election to the nomination committee.
- (c) The ballots for the election of the nominating committee shall contain the eight (8) names. Each full member present may vote for a maximum of four (4) candidates, at the October regular meeting. The four (4) candidates with the highest number of votes shall be declared elected and the one with the greatest number of votes shall be the chairperson.
- (d) Duties of the Nomination Committee: It shall be the duty of the Nomination Committee to select at least one (1) candidate for each office. In selecting the candidates, the nomination committee shall give consideration to recommendations of the Executive Committee.
- (e) Any full member shall be eligible for election providing: Candidates for the office of President and Vice-President shall hold a valid technician class amateur radio license or higher. All other Executive Committee members shall hold a valid amateur radio license. Candidates for the office of Treasurer shall be eighteen (18) years of age or older.
- (f) Nominations for the election of the Executive Committee shall be prepared by the nomination committee and presented to the membership at the November regular meeting. Nominations shall be called for from the floor and nominations will be closed at the November regular meeting.
- (g) The President, Vice-President, Secretary, Treasurer, and six (6) board of directors shall be elected for one (1) year by a majority vote of the full membership at the December annual meeting. The term of office shall extend from January 1 to December 31.

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Pursuant to Article XII of the Constitution and Bylaws of the Amateur Radio Club of El Cajon, the following Amendment is offered for consideration of the General Membership assembled:

Section (e) of Article X shall be changed to wit:

(e) Any full member shall be eligible for election providing: Candidates for the office of President and Vice-President shall hold a valid technician class amateur radio license or higher. All other Executive Committee Members and Board Members shall hold a valid amateur radio license. All Candidates for Executive Committee and Board Members shall be eighteen (18) years of age or older at time of Nomination.

Proposed Bylaw Change 2009 Article IV

ARTICLE IV

MEETINGS

(a) Twelve (12) membership meetings shall be held each year on the second Thursday of each month, unless directed otherwise by the Executive Committee. A quorum for any regular or special meeting shall be ten (10) percent of the total membership.

(b) The annual meeting of the members of this Corporation shall be held on the second Thursday in December of each year at 7:00 P.M. at the principle meeting place of The Club. No notice of any such meeting must be given if it is held on the second Thursday in December at 7:00 P.M. at the principle meeting place of The Club; otherwise written notice of the time and place of the annual meeting shall be mailed or delivered to each member at his or her address as it is shown on the records of the corporation, or if it is not shown on the records or not readily ascertainable, a notice shall be posted at the place where the meetings are regularly held. Any notice shall be mailed or delivered at least seven days before the date of the annual meeting.

(c) Special meetings of the members of The Club may be called at any time by a majority of the Executive Committee. Written notice of special meeting shall be given forty-eight (48) hours prior to any such meeting.

(d) The Executive Committee shall have at least one scheduled meeting each month. Special meeting of the Executive Committee may be called by the President or at the request of any three (3) Executive Committee members.

(e) Prior to any voting by secret ballot, the President shall appoint three (3) members to act as tellers, whose duties shall be the distribution, collection and tabulation of ballots.

(f) Robert's Rules of Order (Revised) shall govern all meetings except as herein otherwise provided.

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Pursuant to Article XII of the Constitution and Bylaws of the Amateur Radio Club of El Cajon, the following Amendment is offered for consideration of the General Membership assembled:

Section (b) of Article IV shall be changed to wit:

(b) The annual meeting of the members of this Corporation shall be held on the second Thursday in December of each year at 7:00 P.M. at the principle meeting place of The Club. No notice of any such meeting must be given if it is held on the second Thursday in December at 7:00 P.M. at the principle meeting place of The Club; otherwise written notice of the time and place of the annual meeting shall be mailed, E-mailed, posted to The Club's Reflector, posted to The Club's Website or delivered to each member at his or her address as it is shown on the records of the corporation, or if it is not shown on the records or not readily ascertainable, a notice shall be posted at the place where the meetings are regularly held. Any notice shall be mailed, E-mailed, posted to The Club's Reflector, posted to The Club's Website or delivered at least seven days before the date of the annual meeting.

ARCEC Meeting Photos



Len K5WFW "SANDARC Delegate"



**Monica Talking about
Disaster Preparedness**



Pat WA6MHZ "Home Brew"



Steve KO4QT, Monica, Paul KC6QLS

Cut this out and USE IT

Must present this card!



Pats' old Philco AM Radio



ARCEC Meeting Photos



January's Meeting getting Started



Ham of The Year Mike, N6OPH



Gary, W6GRK



**Congratulations
Harold, KB6CKM
on your
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Contacts!**



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Mike Maston
N6OPH
(619) 296-9067**

**Please Visit Our Website at
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VEC Testing Sites

1 st Saturday:	El Cajon 10:00 am First Lutheran Church of EC 867 South Lincoln Ave.
2 nd Saturday:	Carlsbad 9:30 am Carlsbad Safety Center Orion Way Carlsbad
3 rd Saturday:	North Park 10:00 am North Park Recreation Center 4044 Idaho Street San Diego
4 th Saturday:	Chula Vista 8:30 am Fire Station #7 1640 Santa Venetia Chula Vista
5 th or last Saturday:	Escondido 9:00 am LDS Church 1917 East Washington St.

To make advance reservations or to find out more info
from the site captain, please call 465-EXAM (3926)